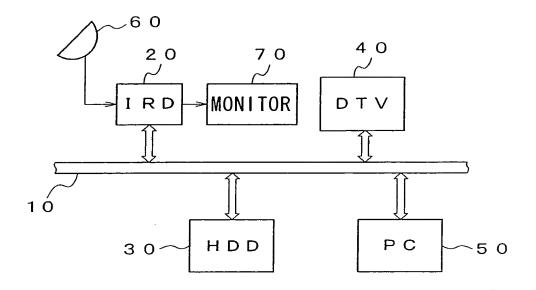
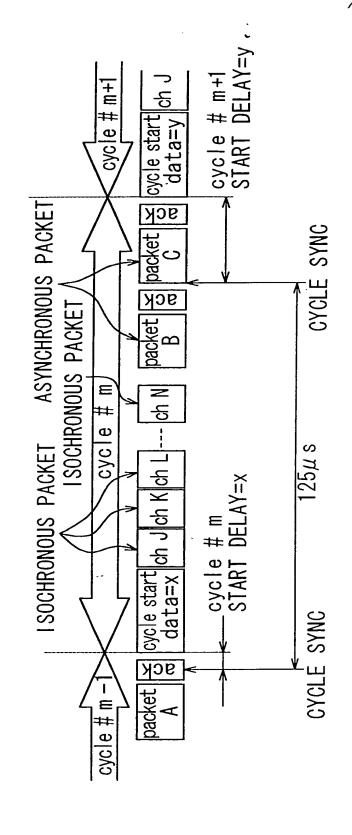
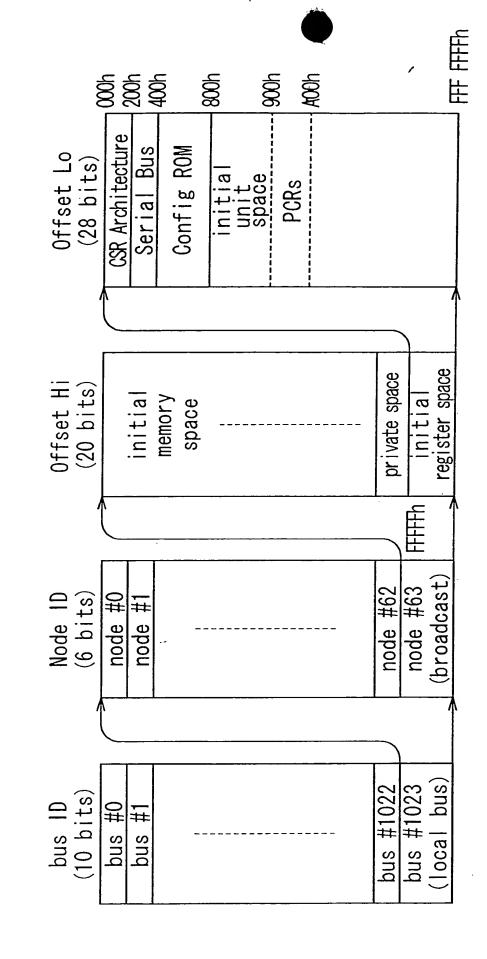
F I G. 1



F I G. 2



F I G.



### F I G 4

0FFSETS	NAMES	FUNCTIONS
4000	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE_CLEAR BIT
4800	NODE_IDs	INDICATE 16-BIT NODE ID
4000	RESET_START	START COMMAND RESET
018h-016h	SPLIT_TIMEOUT	PRESCRIBE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESCRIBE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BAND WIDTH THAT CAN BE ASSIGNED TO ISOCHRONOUS COMMUNICATION
224h-228h	CHANNELS_AVA I LABLE	INDICATE USED STATE OF EACH
		CHANNEL

### FIG. 5

<u>-</u>									
ngt	info_length crc_length rom_crc_value								
nfo_length  ←→	bus_info_block								
info	root_directory								
	unit_directories								
	root & unit leaves								
	vendor_dependent_information								

### F I G. 6;

400h	04h	crc_length	rom_crc_value								
	Bus_info_blo	ck									
404h		"13	94"								
408h	ESS Ereserved	cyc_clk_acc	max_red reserved								
40Ch	C	Company_ I	D Chip_I D_hi								
410h		Chip_I D_lo									
	Root_directory										
414h	h root_length CRC										
418h	03h module_vendor_id										
41Ch	OCh node_capabilities										
420h	8Dh node_unique_id offset										
424h	D1h	unit_	_directory_offset								
428h											
า	≝Optional										
_	Unit_directory										
	unit_directory	/_length	CRC								
	12h	unit_spec_id									
	13h unit_sw_version Optional.										

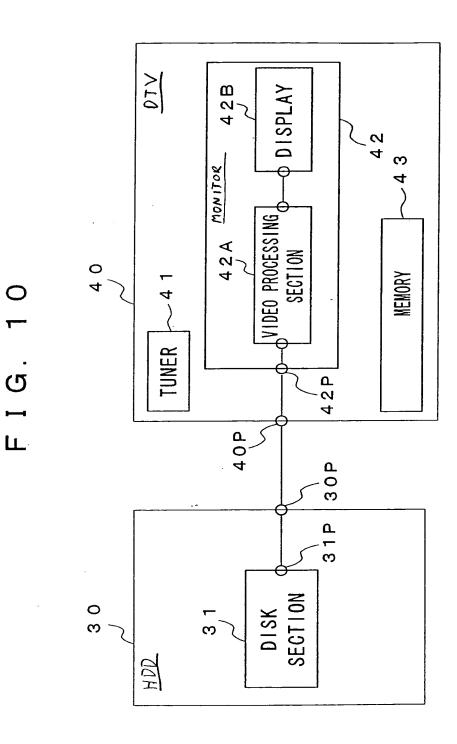
### F I G. 7

900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
!	
9FCh	Input Plug Control Register #30

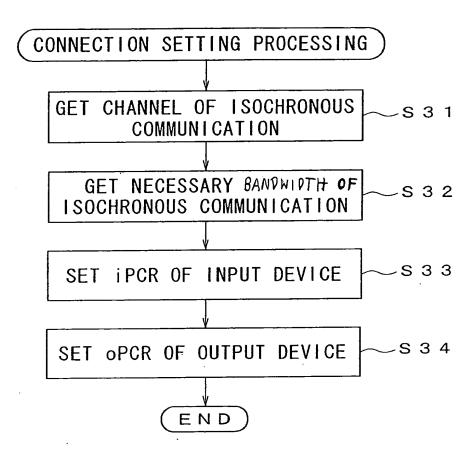
## F I G. 8

		- <del>-</del>			$\widehat{\mathbf{T}}$			$\widehat{\mathbf{L}}$			<u>.</u>
	number of output plugs	(bit)		payload	10(bit)		number of output plugs	(bit)		ved	(bit)
	umbe Itput	വ		f			tput p	5		reserved	16
	ed G n			overhead I D	4		pi D			<u> </u>	
	reserved	ಣ					reserved	က		channe	9
				data rate	2		ļ			n ch	
	te broadcast non-persistent persistent lty channel base extension field extension field			annel mber	9		non-persistent persistent extension field	<b>&amp;</b>		reserved channel number	2
	persis tensio	$\infty$		reserved channel number			persistent extension f	ω		res	
	ent eld ex				7		ent per eldex			point-to-point connection counter	
	ersist sion fi	∞	:	point-to-point connection counter			reserved non-persistent extension field	<b>∞</b>		int-to-poi onnectic counter	9
	exten			oint-to-po connection counter	9		non-p exten				
	cast base						rved			cast tior ter	
	broadcast channel base	9		adcas ectic inter	-		rese	9		broadcast connection counter	<b>-</b>
	te b			broadcast connection counter			te Ity				
~		2	oPCR[n]	line	<b>-</b>	R	a ra abil	2	i PCR [n]	-l in	<del></del>
oMPR	(A) data r		oPC	(B) on-line		iMPR	(C) data rat capabill		iPC	(D) on-line	
	(A)			(B)			(0)			(D)	

IEEE 1394 bus DATA FLOW AV-device 27–3 OPOR[1] OMPR F I G. 9 AV-device iPOR[0] TiPOR[1 MPR oMPR AV-device  $27^{-2}$ \_channel\_#2 channel\_#1 :MPR



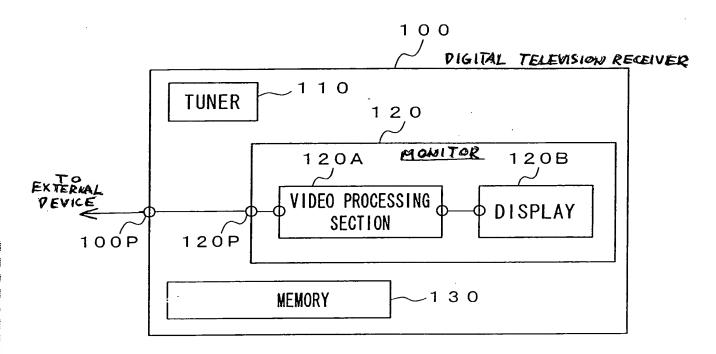
#### F I G. 11:





Monit	or Subunit dependent information					
Address offset						
0000 16	Subunit_dependent_length=33bytes					
0001 16						
	Datastructure_type=Monitor subunit dependent					
	information					
	Audio_subunit_version=FF(hex)					
	Monitor_subunit_version=10(hex)					
	Number_of_configuration_dependent_information=1					
	Configuration_dependent_length=26bytes					
	Datastructure_type=Configuration_Information					
	Config_ID=1					
	Master_cluster_information					
	Number_of_source_plug=0					
	number_of_fb_dependent_information=2					
	fb_dependent_length=10bytes					
	Datastructure_type=FB_dependent_information					
	fb_type=video_feature					
	fb_ID=1					
	fb_name=FF					
	number_of_destination_plug=1					
	Source_ID(1)=subunit destination plug 1					
	cluster_information=same as up stream					
	fb_dependent_length=10bytes					
	Datastructure_type=FB_dependent_information					
	fb_type=display					
	fb_ID=2					
	fb_name=FF					
	number_of_destination_plug=1					
	Source_ID(1)=fb_type;video feature,fb_ID;1					
	cluster_information=none					

### FIG. 13 (RELATED ART)



# FIG. 14 (RELATED ART)

Subunit dependent information Contents Subunit_dependent_length=25bytes	Datastructure_type=Monitor subunit dependent information	Audio_subunit_version=FF(hex) Monitor_subunit_version=10(hex) Number_of_configuration_dependent_information=1 Configuration_dependent_length=19bytes	Datastructure_type=Configuration_Information	Config_ID=1 Master_cluster_information	Number_of_fb_dependent_information=1 fb_dependent_length=10bytes	Datastructure_type=FB_dependent_information	fb_type=video_feature fb_ID=1	Number of destination plug=1 Source ID(1)=subunit destination plug 1	cluster_information=same as up stream
Monitor Address offset 0000 16	- 1 1								